HIGH TEMPERATURE SUPERCONDUCTING SYNCHRONOUS ROTOR COIL HAVING MULTI-PIECE ROTOR CORE

ABSTRACT OF THE DISCLOSURE

A rotor for a synchronous machine comprising: a superconducting field winding assembly having a coil winding and at least one winding support extending between opposite sides of the winding, and a rotor core formed of a plurality of rotor core sections, each of said core sections having a tension bar slot to receive said at least one tension bar.